

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2000342524 A  
(43) Date of publication of application: 12.12.2000

(51) Int. Cl. A61B 1/00  
A61B 5/07, G02B 23/24

(21) Application number: 11160029  
(22) Date of filing: 07.06.1999

(71) Applicant: ASAHI OPTICAL CO LTD  
(72) Inventor: OUCHI TERUO

(54) SWALLOW TYPE ENDOSCOPIC DEVICE

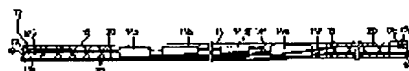
(57) Abstract:

PROBLEM TO BE SOLVED: To lessen the pain on a testee by varying the length of curving parts which are curvilinearly manipulatable by radio manipulation at both ends of an endoscope body consisting of a bar-like body containing an illumination means, an observation means, a signal transmission means for radio transmission of observation images and a power source supply means.

SOLUTION: First and second curvilinear drive parts 13 and 15 are curvable around a flexible part 14 as a base part. The length of a second curving part 15 is made longer than the length of a first curving part 13. The power source supply means executes power supply by utilizing microwaves. The illumination light

which obtains electric powder via a signal line 20 from the power source supply means 14c is supplied to illumination windows of a first and a second rigid parts 12 and 16. The image of a subject is formed on an image pickup surface of a CCD 17b by an objective optical system 17a and the image signal is amplified in an amplifier circuit 14a, and is transmitted from a signal reception/transmission means 14b. A curving manipulation section of an external apparatus is manipulated and a selective heating means 22 is manipulated by a manipulation signal transmitted from an extracorporeal signal transmission section to curve the first or second curvilinear drive part 13 or 15.

COPYRIGHT: (C)2000,JPO



BEST AVAILABLE COPY